

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Vector Engineers, Inc. 1535 Old Finchville Road Shelbyville, KY 40065 REPORT NUMBER(S) 2018002		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 150-00016	4. LICENSE NUMBER(S) KY-201-802-51	5. DATE(S) OF INSPECTION 04/13/18, with in-office review through 05/08/18	
6. INSPECTION PROCEDURES USED 87124	7. INSPECTION FOCUS AREAS All		

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03121	2. PRIORITY 5	3. LICENSEE CONTACT Erin Henke, RSO	4. TELEPHONE NUMBER (502) 633-7585
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- Main Office Inspection Next Inspection Date: TBD
- Field Office Inspection _____
- Temporary Job Site Inspection 500 North Lane, Madison, IN

PROGRAM SCOPE

This was an unannounced reciprocity inspection of a geotechnical engineering and construction management company authorized to store portable moisture density gauges containing radioactive material at its facility in Shelbyville, Kentucky, and to use those gauges at temporary job sites in Kentucky jurisdiction. The company conducted these activities at temporary job sites in NRC jurisdiction under a reciprocity request filed in March 2018 for the remainder of the calendar year. During this inspection, the company was serving as a subcontractor on a wastewater storage and treatment construction project in Madison, Indiana. As a component of the geotechnical services provided, the company intended to perform field density testing using a portable moisture density gauge.

PERFORMANCE OBSERVATIONS

The inspector visited the temporary job site listed on the licensee's NRC Form 241 dated March 27, 2018; however, the licensee was not present on the job site. The inspector then visited the licensee's office in Shelbyville, about an hour from the job site, and met with the RSO and an authorized user to discuss the conduct of licensed activities in NRC jurisdiction. The staff demonstrated the implementation of measures for the safe use and transportation of licensed material to job sites such as the one in Indiana, and discussed with the inspector emergency scenarios and response measures. Through these demonstrations and discussions, the inspector found the staff to be knowledgeable of radiation protection principles and regulatory requirements. While on-site, the inspector also reviewed a selection of utilization logs, shipping papers, and field reports. During the period of in-office review, the inspector obtained and evaluated additional information related to the conduct of these licensed activities.

No violations of NRC requirements were identified as a result of this inspection.

From: [Craffey, Ryan](#)
To: ["erin.henke@vectorky.com"](mailto:erin.henke@vectorky.com)
Subject: NRC Inspection Report
Date: Friday, June 01, 2018 10:47:00 AM
Attachments: [NRC Inspection Report - Vector Engineers 2018.pdf](#)

Hello Erin,

Attached is a completed copy of the report for my inspection of your radiation safety program back in April. Since no violations were identified, no additional action on your part is required, but please feel free to contact me any time if we may be of assistance to you in the future.

Thanks!

Ryan Craffey
Health Physicist
US Nuclear Regulatory Commission
Materials Inspection Branch, Region III
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